

# Setting Up Your Environment

Before you start developing and executing Natural for Ajax applications, you have to make specific definitions in your environment.

This chapter covers the following topics:

- Setting Up Application Designer
  - Setting Up Your Development Environment for Natural
  - Setting Up Your Runtime Environment for Natural
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## Setting Up Application Designer

Currently, there is nothing to configure for Natural pages.

## Setting Up Your Development Environment for Natural

If you are practising remote development with Natural's Single Point of Development (SPoD), a Natural Development Server must be installed and activated on the remote machine.

- **Mainframe**  
When your Natural Development Server is located on a mainframe, see the Natural Development Server documentation.
- **UNIX**  
When your Natural Development Server is located on UNIX, see *Activating the Natural Development Server on UNIX* in the *Installation* documentation which is provided with Natural for UNIX.
- **Windows**  
When your Natural Development Server is located on Windows, the **Web I/O Interface service** option, which can be set with the setup type **Custom**, must be selected when installing Natural. See the *Installation* documentation which is provided with Natural for Windows.

### To set up Natural Studio

1. Ask your administrator for the host name and the port number of the Natural Development Server.
2. Connect to the Natural Development Server. See *Accessing a Remote Development Environment in the Remote Development Using SPoD* documentation which is provided with Natural for Windows.
3. It is recommended that you create a new Natural library for each Application Designer project.

### To set up Natural for Eclipse

1. Ask your administrator for the host name and the port number of the Natural Development Server.

2. Create a new target in Natural for Eclipse, using this host name and port number. For further information, see the Natural for Eclipse documentation.
3. When creating a Natural project, assign this target in the project properties.

## Setting Up Your Runtime Environment for Natural

The following must be installed on the remote machine where you are going to test and execute the Natural code:

- **Mainframe**

When your Natural Development Server is located on a mainframe, the Natural Web I/O Interface server must be installed and started. For detailed information, see *Installing and Configuring the Natural Web I/O Interface Server* in the *Natural Web I/O Interface* documentation which is provided for Natural for Mainframes.

- **UNIX**

On UNIX, the Natural Web I/O Interface server is implemented as a daemon.

When your Natural Development Server is located on UNIX, the Natural Web I/O Interface daemon must be installed and activated. For detailed information, see *Installing and Configuring the Natural Web I/O Interface Server* in the *Natural Web I/O Interface* documentation which is provided for Natural for UNIX.

- **Windows**

On Windows, the Natural Web I/O Interface server is implemented as a service.

When your Natural Development Server is located on Windows, the **Web I/O Interface service** option, which can be set with the setup type **Custom**, must be selected when installing Natural Runtime. See the *Installation* documentation which is provided with Natural for Windows.

See also *Installing and Configuring the Natural Web I/O Interface Server* in the *Natural Web I/O Interface* documentation which is provided for Natural for Windows.

### **To set up the runtime environment for Natural for Mainframes**

1. Ask your administrator for the host name and the port number of the Natural Web I/O Interface server.
2. Invoke the configuration tool which is used for managing the session configurations in the file *sessions.xml*. See *Using the Configuration Tool* in the *Configuring the Client* part of the *Natural Web I/O Interface* documentation.
3. Add a new session with the following settings:

Option	Description
<b>Session ID</b>	Enter the name that is to be available for selection in the logon page.
<b>Host name</b>	The host name of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.
<b>Port number</b>	The port number of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.

- In the configuration file, there is a preconfigured session with the name "Natural for Ajax Examples". It contains dummy settings for the host name, port number and application. This session is intended to start the Natural for Ajax examples that are delivered with Natural in the library SYSEXNJX.

Enter the settings (host name and port number) that match your environment. Remove the dummy setting for the application (which is "script-name").

Then you will be able to execute the examples from the logon page.

- Restart the application server.

#### To set up the runtime environment for Natural for UNIX

- Ask your administrator for the host name and the port number of the Natural Web I/O Interface server and the name of the script that is used to start up Natural sessions. A sample shell script for starting up Natural (*nwo.sh*) is delivered with Natural for UNIX; see also *nwo.sh - Shell Script for Starting Natural* in the *Natural Web I/O Interface* documentation.
- Invoke the configuration tool which is used for managing the session configurations in the file *sessions.xml*. See *Using the Configuration Tool* in the *Configuring the Client* part of the *Natural Web I/O Interface* documentation.
- Add a new session with the following settings:

Option	Description
<b>Session ID</b>	Enter the name that is to be available for selection in the logon page.
<b>Host name</b>	The host name of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.
<b>Port number</b>	The port number of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.
<b>Application</b>	The name of the script that is used to start up Natural sessions. Enter the value that you have received from your administrator.

- In the configuration file, there is a preconfigured session with the name "Natural for Ajax Examples". It contains dummy settings for the host name, port number and application. This session is intended to start the Natural for Ajax examples that are delivered with Natural in the library SYSEXNJX.

Edit this session and enter the settings (host name, port number and the name of the Natural startup script) that match your environment. Then you will be able to execute the examples from the logon page.

- Restart the application server.

### To set up the runtime environment for Natural for Windows

- Ask your administrator for the host name and the port number of the Natural Web I/O Interface server and the name of the batch file that is used to start up Natural sessions. A sample batch file for starting up Natural (*nwo.bat*) is delivered with Natural for Windows; see also *Batch File for Starting Natural* in the *Natural Web I/O Interface* documentation.
- Invoke the configuration tool which is used for managing the session configurations in the file *sessions.xml*. See *Using the Configuration Tool* in the *Configuring the Client* part of the *Natural Web I/O Interface* documentation.
- Add a new session with the following settings:

Option	Description
<b>Session ID</b>	Enter the name that is to be available for selection in the logon page.
<b>Host name</b>	The host name of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.
<b>Port number</b>	The port number of the Natural Web I/O Interface server. Enter the value that you have received from your administrator.
<b>Application</b>	The name of the batch file that is used to start up Natural sessions. Enter the value that you have received from your administrator.

- In the configuration file, there is a preconfigured session with the name "Natural for Ajax Examples". It contains dummy settings for the host name, port number and application. This session is intended to start the Natural for Ajax examples that are delivered with Natural in the library *SYSEXNJX*.

Enter the settings (host name, port number and the name of the Natural startup batch file) that match your environment. Then you will be able to execute the examples from the logon page.

- Restart the application server.